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### IN THE CLAIMS:

Amend the claims as follows.

Claims 1-12. (Canceled)

13. (Currently Amended) A compound of the formula:

$$R_4$$
  $R_3$   $R_2$ 

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wherein R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub> and R<sub>4</sub>, are independently halogen, H, amino, hydroxy, halogen-substituted amino, -O-alkyl, -O-aryl, or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl, heterocycloalkyl, heterocycloalkyl, aryl or heteroaryl, or -OR<sub>6</sub> or -NR<sub>6</sub>R<sub>7</sub> where R<sub>6</sub> and R<sub>7</sub> are each independently hydrogen or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl or heteroaryl; wherein at least one of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> is independently halogen, amino, hydroxy, halogen-substituted amino, -O-alkyl, -O-aryl, or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl, heterocycloalkyl, aryl, heteroaryl, -COR<sub>8</sub>, where R<sub>8</sub> is H, -OH an

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optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl or heteroaryl, or -OR<sub>6</sub> or -NR<sub>6</sub>R<sub>2</sub> where R<sub>6</sub> and R<sub>7</sub> are each independently hydrogen or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl or heteroaryl; and

R<sub>4</sub>, is independently selected from hydrogen, halogen or alkyl, wherein at least one of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> is not hydrogen; said optional substituent being selected from the group consisting of halogen, amino, mercapto, carboxy, carbonyl, hydroxyl, nitro, nitroso, straight or branched alkylamino, straight or branched alkylaminoalkylamino, straight or branched alkylthioalkylamino, straight or branched alkylthioalkylamino, straight or branched alkylthioalkylaryl, alkoxy, aryloxy, straight or branched alkyl, straight or branched alkylaryl, straight or branched alkylheteroaryl, aryl, heteroaryl, cycloalkyl, heterocycloalkyl and straight or branched alkylheterocycle.

### 14. (Original) A compound of the formula:

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where

R<sub>4</sub> is hydrogen, halogen, or methoxy.

 $R_1$  and  $R_2$  are, independently, an optionally substituted alkyl, alkenyl, alkynyl, alkoxy, carboxy, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, halogen, -COR<sub>8</sub>, where  $R_8$  is H, -OH an optionally substituted alkyl, alkoxy, or -OR<sub>6</sub> where  $R_6$  is independently hydrogen or an optionally substituted alkyl; and

# 15. (Previously Presented) A compound selected from the group consisting of:

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## 16. (Currently Amended) A compound of the formula:

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wherein R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub>, when present, are, independently, halogen, H, amino, hydroxy, halogen-substituted amino, -O-alkyl, -O-aryl, or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, -COR<sub>8</sub>, where R<sub>8</sub> is H, -OH, an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl or heteroaryl, or -OR<sub>6</sub> or -NR<sub>6</sub>R<sub>7</sub> where R<sub>6</sub> and R<sub>7</sub> are each independently hydrogen or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocycloalkyl, aryl or heteroaryl; and

 $R_4$  is, when present, is independently selected from hydrogen, halogen or alkyl, wherein at least one of  $R_1$ ,  $R_2$ ,  $R_3$ , and  $R_4$  is not hydrogen.

# 17. (Currently Amended) A compound of the formula:

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#### where

 $R_1$ ,  $R_2$  and  $R_3$  are, when present, independently, halogen, hydrogen, an optionally substituted alkyl, alkenyl, alkynyl, alkoxy, carboxy, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, halogen, -COR<sub>8</sub>, where  $R_8$  is H, -OH, an optionally substituted alkyl, alkoxy, or  $-OR_6$  where  $R_6$  is independently hydrogen or an optionally substituted alkyl, wherein at least one of  $R_1$ ,  $R_2$ ,  $R_3$ , and  $R_4$  is not hydrogen.

18. (Previously Presented) A compound selected from the group consisting of:

Claims 19. (Canceled)

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- 20. (Currently Amended) A method of treating diseases or conditions selected from the group consisting of tissue damage resulting from cell damage or death due to necrosis or apoptosis, neuronal mediated tissue damage or diseases, neural tissue damage resulting from ischemia and reperfusion injury, age-related macular degeneration, AIDS and other immune senescence diseases, arthritis, gout, cachexia, cancer, degenerative diseases of skeletal muscle involving replicative senescence, diabetes, immune senescence, muscular dystrophy, osteoarthritis, osteoporosis, neuropathic pain, nervous insult, peripheral nerve injury, renal failure, retinal ischemia, septic shock, and skin aging, diseases or disorders relating to lifespan or proliferative capacity of cells, and diseases or disease conditions induced or exacerbated by cellular senescence, comprising administering a compound of any of claims 13-18 claims 1-18.
- 21. (Currently Amended) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and at least one compound of any of <u>claims 13-18</u>.
- 22. (Currently Amended) A method of inhibiting PARP in a mammal comprising administering a therapeutically effective amount of a composition of any of <u>claims 13-</u> 18 to a mammal in need of said inhibition.
- 23. (Currently Amended) A method of treating at least one of neural tissue of a mammal damaged as a result of ischemia or reperfusion injury, or neurological

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disorders or neurodegenerative diseases; treating vascular stroke; treating cardiovascular disorders; treating at least one condition selected from age-related muscular degeneration, AIDS, an immune senescence disease, inflammation, gout, arthritis, atherosclerosis, cachexia, cancer, a degenerative disease of skeletal muscle involving replicative senescence, diabetes, head trauma, immune senescence, inflammation, gout, inflammatory bowel disorders (such as colitis and Crohn's disease), muscular dystrophy, osteoarthritis, osteoporosis, chronic and/or acute pain (such as neuropathic pain), renal failure, retinal ischemia, septic shock (such as endotoxic shock), or skin aging; extending the lifespan and/or proliferative capacity of cells; altering gene expression of senescent cells; radiosensitizing hypoxic tumor cells, or treating a cardiovascular disease in an animal, such as angina pectoris, myocardial infarction, cárdiovascular ischemia or cardiovascular tissue damage related to PARP activation said method comprising administering a therapeutic effective amount of a composition of any of claims 13-18 claims 1-18 to a mammal in need of said treatment.

24. (Original) A method of claim 23, wherein said neurological disorder is selected from the group consisting of peripheral neuropathy caused by physical injury or disease state, such as Guillain-Barre syndrome, traumatic brain injury, physical damage to the spinal cord, stroke associated with brain damage, focal ischemia, global ischemia, reperfusion injury, demyelinating disease, such as multiple sclerosis, and neurological disorder relating to neurodegeneration, such as Alzheimer's Disease,

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Parkinson's Disease, and amyotrophic lateral sclerosis; said reperfusion injury is a vascular stroke.